



Brown County

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ENGR TECHNICIAN

Update: 03/11/15

This letter is in response to the Order for Compliance (Docket No. V-W-13-AO-22) received from the U.S. Environmental Protection Agency on behalf of Ledgeview Farms, LLC. Brown County was notified by (b) (6) that on January 27th, 2015 they had received notification from EPA that it disapproves the prior submitted compliance document. This update will hopefully address the needed EPA compliance requirements.

2 primary areas of compliance required in the EPA letter dated 01/27/2015 are addressed in this document along with updated site and compliance schedule information for the site(s).

(1) Order Noncompliance

- WPDES permit application documents were submitted to the WDNR electronically on 3/18/14, 3/27/14 & 3/28/14 to James T. Martin and again in 8/14 to Tom Bauman. Some documents were lost at the WDNR due to personnel changes during this time. These documents were sent again electronically on 2/11/15 to Tyler Dix – WDNR CAFO Intake. Paper copies will be sent to Tyler Dix by 03/02/15 along with designs for a proposed 313 structure for storage of manure, litter and processed wastewater for Ledgeview Farms, LLC meeting 180 day storage requirements for WDNR-WPDES Permit.
- See NMP **Compliance Schedule** below. All proposed practices in the compliance schedule and attached documents will eliminate or reduce discharges from the production site(s) meeting NMP and WPDES requirements when installed and maintained according to temporary measures or plan specifications. The manure storage structures, “Pit#1 & Pit#2” are not being used for storing manure, litter or process wastewater at this time. If WDNR approves the above structures for use, they may be used in future for emergency situations to prevent overflows/spills as needed. If not, they will be abandoned and/or repurposed. The Lower Satellite farms “reception pit” is attached to the 42,524 sq.ft. concrete feedlot. Roof gutters are installed on the buildings and all storm water is diverted from entering the feedlot except direct precipitation. All areas are concrete and enclosed with concrete walls 18” high containing all manure and runoff except 4895 sq.ft. on the east end of the Lot “D”. The remaining 37,629 sq.ft. drains to the reception/sump area. A 25 year storm in Brown County produces 4.22” of rain. Due to the feedlot being fairly flat and with 18” concrete walls on the perimeter all runoff from a 4.22” rain is contained. The reception/sump area fills up and the remaining waste water floods back on the lot and is contained until it can be daily hauled to fields according to NMP. The remaining 4895 sq.ft. area is cleaned regularly and blocked with sand to stop runoff until a design is developed or it can be directed into the Feed Storage Leachate System being designed and installed in 2016. Design and cost funding is in progress with Brown County and NRCS.
- Certified signatures are provided on this document.

(2) Information Request Noncompliance

- Question 3: Ledgeview Farms removes manure and bedding from Lot B & D on a weekly basis.
- Question 4: Waste is being cleaned daily/weekly from barns and hauled to crop fields according to their approved 590 Nutrient management Plan and approved Winter Spreading Plan developed by Kevin Beckard. This is a temporary practice until the manure storage structure is constructed. In 2015 a waste storage structure is proposed/planned to be installed pending WDNR/EPA approval for the design. Funding through NRCS is being pursued to reduce the \$200,000 cost to the farm. This design will meet 180 day storage requirements for the current waste generated.
- Question 5: Currently all lots in use (B&D) have roof gutters installed to catch roof runoff and all tributary sources of storm water do not enter the feedlots due to the feedlots being higher than the surrounding farmstead roads and travel lanes.

- Question 6: Leachate from the lower farm's bunkers is currently un-managed for runoff. To reduce potential runoff, feed is placed in the bunkers when at optimum moisture content (dry) to reduce feed spoilage and leachate production. The upper farm's bunker is used for haylage only, which is dry and produces very little leachate. A leachate collection system design is in progress to be installed in 2016 for the lower site.
- Question 7: Unpermitted discharges have not been logged or documented by Ledgeview Farms to date. Brown County has developed a table for Ledgeview Farms to use in inspecting/monitoring or they can use the attached WDNR/UW-Extension CAFO Calendar. The attached farm inspection log sheet or calendar Will be used to document potential discharges for Lot B & D and lower farm bunker leachate discharge for reporting to EPA in future. See attachment(s).
- Question 8: Interim measures taken: See attached picture affidavit on 3/10/15 & 3/11/15
 - Manure pits not used, hole plugged with clay. (pic)
 - Upper Bunker, haylage use only use. (pic)
 - Lower Bunkers, optimum moisture feed (dry) and cover to reduce rain and leachate potential. (pic)
 - Lot B (heifer calf lot) End plugged with sand to contain runoff. (pic)
 - Lot D (4895 sq.ft.) Discharge point plugged with sand to contain runoff. (pic)
- Question 9: Interim measures planned. Engineering designs are in progress to reduce/eliminate potential discharges. These items complete the NMP controls required.
 - NRCS 313 plan and design for storage of manure, litter and processed wastewater. See attachment(s)
 - Leachate runoff control design in progress for lower farm (IP).
 - Upper bunker used for haylage has concrete walls/floor and interior drains to back of structure. Walls will be backfilled with a minimum of 3' of clean clay fill with 50% fines passing P200 sieve. This will encapsulate the bunker and contain any leachate developed in the feed bunker preventing discharges.
 - Runoff Controls (Lot B): Build curbing to contain barnyard runoff from 25 yr/24 hr rainfall event. To be done by landowner.
 - Runoff Controls (Lot D): Incorporate/divert runoff into concrete containment or leachate runoff control plan/design. (IP)
 - Gully and field erosion to be addressed during Working Lands Initiative walkovers for program compliance with Farmland Preservation Program.
- Question 10: No
- Question 14: Yes; Ledgeview Farm, LLC conducts daily inspections of water lines at its facility. See attached log sheet Ledgeview Farms will use for reporting in future to EPA. See attachment(s).
- Question 15: Yes; Ledgeview Farm, LLC conducts weekly inspections of storm water diversion devices (roof gutters) at its facility. See attached log sheet Ledgeview Farms will use for reporting in future to EPA. See attachment(s).
- Question 16: N/A; Manure pits not used.
- Question 17: N/A; Manure pits not used.
- Question 18: Yes; Ledgeview Farms inspects and repairs equipment used for land application of manure on a daily basis. See attached log sheet Ledgeview Farms will use for reporting in future to EPA. See attachment(s)
- Question 19: Yes; Ledgeview Farms has posted CAFO Calendar and Emergency Response Procedures for spills, discharges and emergency situations.
 - a. Posted by phone in machine shop, Upper Farm. Posted by air compressor in machine shop, Lower Farm.
 - b. See attachment(s) for "Emergency Response Plan" and "CAFO Calendar.
 - c. Posted 3/11/15

COMPLIANCE:

Ledgeview Farms has already implemented interim control of runoff occurring from the upper and lower farms by ramping up cleaning operations and removing cattle off of the concrete feedlots and earthen pasture/exercise lots. Currently a 6 row 120' x 800' modern design freestall barn has been built on the upper farm to relocate and confine all milking, dry and large heifers under roof with no outside access. The existing earthen lots are abandoned and fallow with native vegetation. The gully erosion that is occurring will be addressed with designs and technical assistance from Brown County in the future.

1. Lot A – Upper Farm Map

The animals have been removed and locked off of this area and are confined in the existing and new freestall barns. Future use of the concrete lot will be for minimal cattle traffic if shuttling animals between barns.

2. Lot B – Upper Farm Map

This small heifer/calf yard will be blocked with hay bales/sand to reduce seepages and solids runoff for interim measures. Long term plans are to install a roof over the concrete area for total confinement.

3. Lot C – Upper Farm Map (earthen lot)

The animals have been removed and confined in existing farm buildings. This area will no longer be used by cattle. The areas that can be farmed in this area are going to be tilled and crops planted, while the remainder will be allowed to re-vegetate with natives. Gully erosion not healed by re-vegetation will be addressed by NRCS approved designs as appropriate. Brown County LWCD will consult and give technical assistance to Ledgeview Farms through the process.

4. Lot D – Lower Farm Map

A 4895 sq.ft. concrete area discharges feedlot runoff out of an access gate located on the southeast side of the lot, which eventually drains to the road ditch along (b) (6)(b) (6). Plans are to close off this area with a concrete wall to contain the runoff or incorporate into the leachate runoff system. Temporarily it is being managed and the discharge point is plugged with a sand barrier.

5. Leachate Runoff

Leachate runoff control design & construction for 2016 are scheduled for the lower farm meeting NRCS Standard 629. It was discussed that the single bunker located at the upper farm may be abandoned or to restrict use to dry hay only, reducing/eliminating leachate issues. The outside walls will be backfilled with clay 3 feet high, top soiled and seeded to prevent seepage losses from the bunker walls and wall/slab interface. See attached planning map for locations.

1. **Bunker A** - Upper Farm Map
2. **Bunker B** - Lower Farm Map

Please review and contact me at your convenience if you have any questions, concerns or any further requests for information regarding compliance requirements to the order. Below is a compliance schedule. This information is submitted on Ledgeview Farms request to meet requirements.

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Ledgeview Farms, LLC EPA Schedule of Compliance Timeline 03/11/2015

ANIMAL LOTS

Lot A – Completed
Lot B – Interim practices currently. Design/construct by 12/01/15
Lot C – Completed
Lot D – Interim practices currently. Design/construct by 12/01/16

LEACHATE CONTROLS

Upper Bunker – Dry haylage use for feed storage. Place fill/topsoil around perimeter 12/01/15
Lower Bunker – Design/construct by 12/01/16

Current Milkhouse Waste – Contained in 16'1 x 12'w x 8'd concrete tank and land applied according to NMP.

MANURE STORAGE

Pit#1 – Not used for manure storage.
Pit#2 – Wall/hole plugged with clay. This facility has ceased being used for manure storage.

Waste storage meeting WPDES & NRCS 313 designed. See attachment (s) Construct by 12/01/15

NUTRIENT MANAGEMENT PLAN (NRCS 590)

Updated plan meeting WPDES & NRCS Std. 590 submitted to WDNR & Brown County.

WPDES PERMIT APPLICATION

Submitted to WDNR in March 2014, August 2014 & Updated and sent again 2/11/15 with Manure Storage Facility plan and design.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information, including the possibility of fines and imprisonment for knowing violations.

Signature: _____

(b) (6)

2-25-15

Signature: _____

(b) (6)

Typed Name: (b) (6)(b) (6)

Typed Name: (b) (6)

*use below only as required.

Subscribed and sworn to before me this _____ day of _____ 2015.

Signature: _____

Notary Public, State of Wisconsin

My commission expires on _____.